

Form PTO-1449	U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE	ATTY. DKT. NO. 501.37465CC9	APPLICATION NO. TBD
INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use several sheets if necessary)		APPLICANT TANABE, et al.	
		FILING DATE February 10, 2004	EXPECTED GROUP 2829

U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
AA	2001/0042344	11/22/2001	Ohmi, et al.	—	—	—
AB	5,959,329	9/28/1999	Tomita, et al.	—	—	—

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/ Abstract	
						Yes	No
DV	AC	08-213379	8/20/1996	Japan	—	X	
	AD	11-067747	3/9/1999	Japan	—	X	
	AE	11-074264	3/16/1999	Japan	—	X	
	AF	10-284484	10/23/1998	Japan	—	X	
	AG	11-162971	6/18/1999	Japan	—	X	
	AH	11-162970	6/18/1999	Japan	—	X	
	AI	11-204517	7/30/1999	Japan	—	X	
	AJ	11-186255	7/9/1999	Japan	—	X	
	AK	11-135492	5/21/1999	Japan	—	X	
	AL	9-153489	6/10/1997	Japan	—	X	
	AM	11-233508	8/27/1999	Japan	—	X	
	AN	11-186248	7/9/1999	Japan	—	X	
	AO	07-297201	11/10/1995	Japan	—	X	
	AP	07-297181	11/10/1995	Japan	—	X	
↓	AQ	07-273101	10/20/1995	Japan	—	X	
DV	AS	9-148461	6/6/1997	Japan	—	X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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Examiner <i>Shuland</i>	Date Considered 02/04/05

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
DV	AA 6,037,273	3/00	Gronet, et al.			
	AB					
	AC					
	AD					
	AE					
	AF					
	AG					
	AH					
	AI					
	AJ					

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation /Abstract	
						Yes	No
DV	AM 7-86264	3/95	Japan				X
	AN 7-193059	7/95	Japan			X	
	AO 5-114740	5/93	Japan			X	
	AP 7-321102	12/95	Japan			X	
	AQ 60-107840	6/85	Japan			X	
	AR 5-141871	6/93	Japan			X	
	AS 5-144804	6/93	Japan			X	
	AT 6-120206	4/94	Japan			X	
	AU 59-132136	7/84	Japan			X	
DV	AV WO/9728085	7/97	PCT			X	

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AW	
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Examiner	<i>Shuland</i>	Date Considered 02/04/05

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclasses	Filing Date
DV	AA	6,362,086	3-26-02	Weimer, et al.		
	AB	5,751,025	5/98	Heminger, et al.		
	AC	4,139,658	2/79	Cohen, et al.		
	AD	5,693,578	12/97	Nakanishi, et al.		
	AE	5,880,041	3/99	Ong		
	AF	5,851,892	12/98	Lojek, et al.		
	AG	5,840,368	11/98	Ohmi		
	AH	5,786,263	7/98	Perera		
DV	AI	6,239,041	5/01	Tanabe, et al.		

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclasses	Translation/Abstract	
						Yes	No
DV	AJ	7-115069	5-2-95	Japan		X	
	AK	9-172011	6/97	Japan		X	
	AL	6-333918	12/94	Japan		X	
	AM	7-10935	2/95	Japan			X
	AN	7-115069	5/95	Japan			X
	AO	5-152282	6/93	Japan		X	
	AP	6-163517	6/94	Japan		X	
	AQ	6-115903	4/94	Japan		X	
DV	AR	8-111449	4/96	Japan			X

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

	AS	Nakamura, et al., "Proceedings of the 45 th Symposium on Semiconductors and Integrated Circuits Technology", December 1-2, 1993. (full translation)
DV	AT	Tanabe, et al., PG Pub: US 2002/0004315 A1, 1/10/02
	AU	Tanabe, et al., PG Pub: US 2002/0019149 A1, 2/14/02
	AV	Tanabe, et al., PG Pub: US 2001/0009813 A1, 7/26/01
	AW	Tanabe, et al., PG Pub: US 2001/0010975 A1, 8/2/01
	AX	Tanabe, et al., PG Pub: US 2001/0024870 A1, 9/27/01
DV	AY	Tanabe, et al., PG Pub: US 2001/0006853 A1, 7/5/01
Examiner <i>Finland</i>		Date Considered 02/04/05

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U.S. PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Name	Class	Subclass	Filing Date
DV	AA	4,374,116	2/15/1983	Chuang, et al.		
DV	AB	4,119,706	10/10/1978	Rogers		
DV	AC	3,857,927	12/31/1974	Henrie		

FOREIGN PATENT DOCUMENTS

Examiner Initial	Document Number	Date	Country	Class	Subclass	Translation/A bstract	
						Yes	No
DV	AD	5-19746	3/12/1993	Japan			
	AE	63-85630	6/4/1988	Japan			
	AF	57-49895	3/24/1982	Japan			
	AG	58-19599	2/4/1983	Japan			
	AH	57-82102	5/22/1982	Japan		X	
	AI	55-041805	3/24/1980	Japan		X	
	AJ	55-003820	1/11/1980	Japan		X	
	AK	0 666 237	08/09/1995	EP			
	AL	09-148315	6/6/1997	Japan		X	
DV	AM	09-090092	4/4/1997	Japan		X	
	AN						

OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

AO	Japanese Patent Office Action mailed May 16, 2000 for No. 3110456 with English translation
Examiner	Date Considered
<i>gindland</i>	02/04/05

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PTO/SB/08A (10-01)

Approved for use through 10/31/2002. OMB 0651-0031

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Substitute for form 1449A/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (use as many sheets as necessary)		Complete if Known			
		Application Number	10/774,589		
		Filing Date	February 10, 2004		
		First Named Inventor	Yoshikazu TANABE		
		Art Unit	2829		
		Examiner Name	Not yet assigned		
Sheet	1	of	1	Attorney Docket Number	501.37465CC9

U.S. PATENT DOCUMENTS						
Examiner Initials ¹	Cite No. ¹	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)				
		US-				
		US-				
DV		US- 6,110,531		08-29-2000	PAZ DE ARAUJO et al.	_____
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		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				

Examiner Signature	<i>Shuland</i>	Date Considered	02/04/05
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